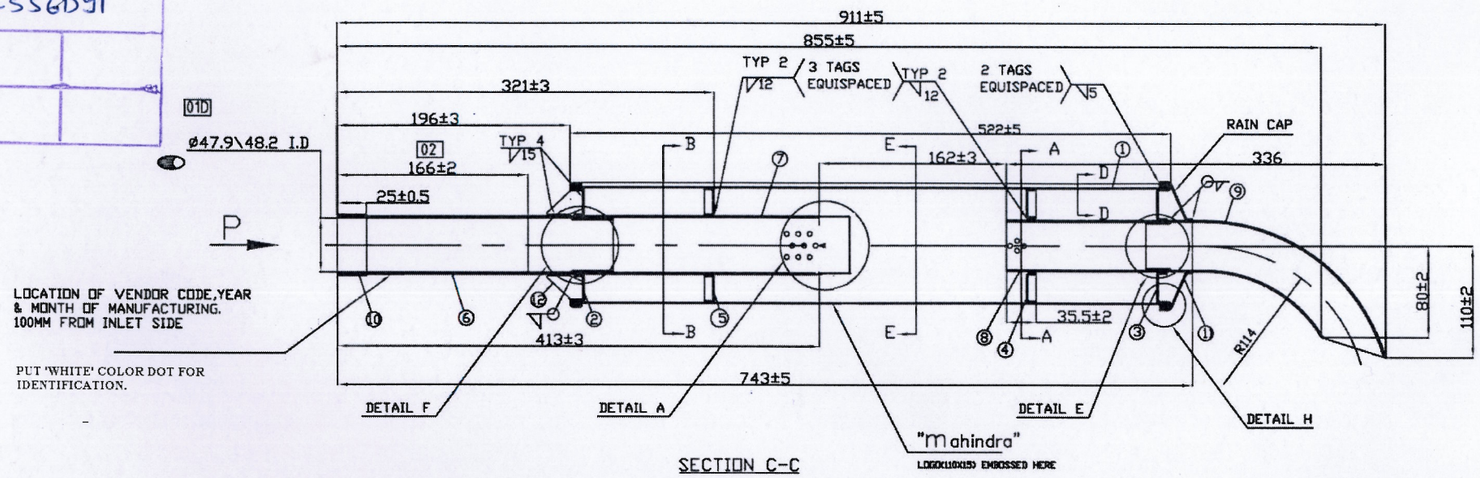
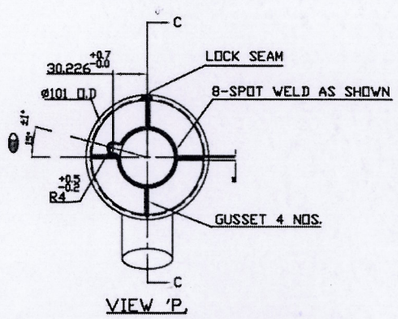
MAHINDRA & MAHINDRA
TRACTOR DIVISION.
MUMBAI - 400 101.
APPROVED BY:
DATE: 13/01/12
PART NO: E006014556D91

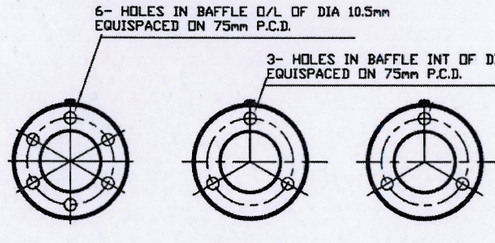
C/L No.	AA		
E/R No.	6000000 01583		



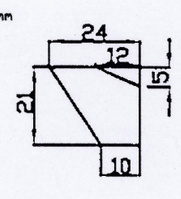
SECTION C-C



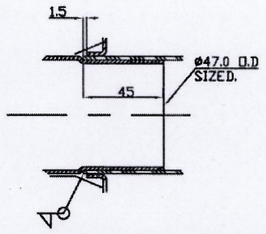
VIEW 'P'



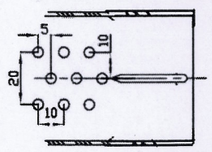
SECTION A-A SECTION B-B SECTION E-E



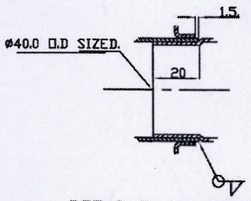
GUSSET (SCALE 1:2)



DETAIL'F. (SCALE 1:2)

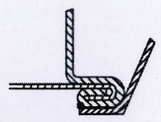


DETAIL A

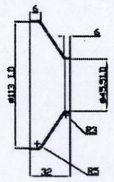


DETAIL'E. (SCALE 1:2)

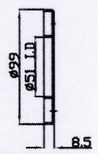
SECTION D-D



DETAIL'H. (SCALE 1:4)



RAINCAP O/L (SCALE 1:1)



BAFFLE DETAIL (SCALE 1:1)

*--> MATL. CEW-1-AS PER IS 3074 1979

**--> MATL. ERW-1-AS PER IS 3074 1979

SR NO	DESCRIPTION	VENDOR PARTNO.	QTY	MTRL	SIZE
12	GUSSET		4	M.S.	2.0mm THK.
11	RAIN CAP O/L		1	M.S.	1.0mm THK.
10	CLAMP		1	M.S.	2.0mm THK.
9	TAIL PIPE		1	M.S.	ø44.45 X 1.6 mm
8	PERF TUBE O/L		1	M.S.	ø44.45 X 1.6mm
7	PERF TUBE I/L		1	M.S.	ø50.8 X 1.6 mm
6	FRONT PIPE		1	M.S.	ø50.8 X 1.6 mm
5	BAFFLE PLATE INTMT		1	M.S.	1.5mm THK.
4	BAFFEL PLATE O/L		1	M.S.	1.5mm THK.
3	END CAP O/L		1	M.S.	1.5mm THK.
2	END CAP I/L		1	M.S.	1.5mm THK.
1	MUFFLER		1	M.S.	1.2 mm THK.

NOTE :-

SURFACE TREATMENT : AS PER GIVEN TABEL .
DRY FILM THICKNESS 80 MICRON MINM INCLUSIVE OF METALISING THICKNESS
-1)IN GUSSET AREA 20 MICRON MINM
-2) IN OTHER AREA 30 MICRON MINM
(POWDER USED OHHRP-600)

FOLLOWING PARAMETERS WILL BE FINEALIZED AFTER PROTO TESTING
*1. BACK PRESSURE OF SILENCER :---------35 mbar MEASURED ON 3 CY. LONG STROKE ENGINE AT 2400 RPM FULL LOAD CONDITION.
*2. NOISE LEVEL :- 93.3 dBA AT HIGH IDLE AT OPERATOR'S EAR LEVEL.

LEAKAGE : ALLOWABLE 20 LITERS PER MINUTE AT 0.3 KG/SQ CM

PERFORATED TUBE O/L: PERFORATIONS UPTO 140m.m LENGTH
HOLE SIZE-2.5m.m (11 HOLES IN EACH ROW X 16 ROWS X 6m.m PITCH.)

PERFORATED TUBE I/L: PERFORATIONS UPTO 185m.m LENGTH
HOLE SIZE-4m.m (14 HOLES IN EACH ROW X 18 ROWS)

* ABOVE MENTIONED PARAMETERS ARE MEASURED AT DEVELOPMENT STAGE ONLY

600000 001583	AA . PRODUCTION RELEASED.	12/1/12
ECN no.	Revision No.	Date

CAD REF.

MAHINDRA & MAHINDRA LIMITED
TRACTOR VENDOR PART NO.
KANDIVALI (EAST) MUMBAI - 400 101

REF E006006040C91

SURFACE TREATMENT DESCRIPTION:
OVERALL BLACK POWDER COATED WITH MAT FINISH. AS PER M&M (TD) STANDERD PS 653

UNSPECIFIED TOLERANCES

DIMENSIONS			FRACT.	
	ABOVE	-	300	1000
	UPTO	300	1000	-
NO DECIMAL	OX >	±1.5	±2.0	±3.0
ONE DECIMAL	OX >	±0.8	±1.2	±1.5
TWO DECIMAL	OXX >	±0.3	±0.5	-
THREE DECIMAL	OXXX	-	-	-

ANGULAR TOLERANCES	SHORTER SIDE OF ANGLES			
ABOVE	-	10	50	100
UPTO	10	50	100	-
	±(	±30'	±20'	±10'

BREAK ALL SHARP EDGES

PROC MEMO NO		PART NO	E006014556D91
E R NO	600000001583		
		PART NAME	SILENCER_90HP
MATERIAL	SEE NOTES		1 OF 1
HEAT TREAT			SCALE 2 1
FOR USE ON	90HP TRACTOR		UNIT QTY 4/VEH
APPR BP	CKR SDW	DSNR AJIT	TRCR
DATE 22/10/10	DATE 22/10/10	DATE 22/10/10	DATE